

RAW SEQUENCE LISTING

DATE: 08/30/2001

PATENT APPLICATION: US/09/807,867

TIME: 11:43:34

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Output Set: N:\CRF3\08302001\1807867.raw

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3 <110> APPLICANT: CAROL, Pierre
              KUNTZ, Marcel
      4
              MACHE, Regis
      7 <120> TITLE OF INVENTION: cDNA SEQUENCE TRANSCRIBING AN MRNA ENCODING THE TERMINAL
OXIDASE
              ASSOCIATED WITH CAROTENOID BIOSYNTHESIS, AND USES THEREOF
     10 <130> FILE REFERENCE: 109326
    12 <140> CURRENT APPLICATION NUMBER: US 09/807,867
     13 <141> CURRENT FILING DATE: 2001-06-15
     15 <150> PRIOR APPLICATION NUMBER: PCT/IB99/01719
     16 <151> PRIOR FILING DATE: 1999-10-20
     18 <150> PRIOR APPLICATION NUMBER: FR 9813283
     19 <151> PRIOR FILING DATE: 1998-10-20
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     23 <170> SOFTWARE: PatentIn version 3.0
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RAW SEQUENCE LISTING DATE: 08/30/2001 PATENT APPLICATION: US/09/807,867 TIME: 11:43:34

Input Set : A:\ES.txt

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90 Pro Leu Val	Thr Lev 20	1 Arg F	arg S	er A	19 A	та к	ıu v	ur o	3	0		
91 93 Ser His Arg	zu Len Len	ı His F	lis L	eu P	ro L	eu S	er S	er A	rg A	rg L	eu L	eu
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96 Leu Arg Ası	n Asn His	s Arg V	/al G	ln A	la T	hr I	le I	∟eu G	ln A	sp A	sp G	ıu
07 50			55					) U				
99 Glu Lys Val	Val Val	l Glu (	ilu S	er P	ие г	iys A	75	JIU I	111	, , ,		80
100 65 102 Thr Glu P	co Leu G	70 In Glu	Pro	Asn	Met	Ser		Ser	Ser	Thr	Ser	Ala
100	Ωι	5				90					,,	
103 105 Phe Glu T	nr Trp I	le Ile	Lys	Leu	Glu	Gln	Gly	Val	Asn	Val	Phe	Leu
100	100				TOO					TT0		
106 108 Thr Asp S	er Val I	le Lys	Ile	Leu	Asp	Thr	Leu	туг	125	ASP	ALG	1111
109 1 111 Tyr Ala A	15	L - 17-1	T 011	120	Thr	T l 👝	Δla	Ara		Pro	Tyr	Phe
120			7 3 5					T40				
112 130 114 Ala Phe M	et Ser V	al Leu	His	Met	Tyr	Glu	Thr	Phe	Gly	${\tt Trp}$	Trp	Arg
445 445		150					エンン					
115 145 117 Arg Ala A	sp Tyr L	eu Lys	Val	His	Phe	Ala	Glu	Ser	Trp	Asn	Glu	Met
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118 120 His His L	eu Leu I	le Met	Glu	Glu	Leu 185	GIY	СТУ	ASII	261	190	115	1110
121 123 Asp Arg P	180	1a G1n	Иic	Tle	Ala	Thr	Phe	Tyr	Tyr		Met	Thr
104 1	0.5			200					200			
124 1 126 Val Phe L	eu Tyr I	le Leu	Ser	Pro	Arg	Met	Ala	Tyr	His	Phe	Ser	Glu
107 210			フェラ					220				
127 210 129 Cys Val G	lu Ser H	is Ala	Tyr	Glu	Thr	Tyr	Asp 235	ьys	Pne	ьеи	гуѕ	240
130 225 132 Ser Gly G		230	) Aan	Mot	Dro	Δla			Ile	Ala	Val	
	7	315				200					200	
133 135 Tyr Tyr T	hr Glv G	lv Asr	Leu	Tyr	Leu	Phe	Asp	Glu	Phe	Gln	Thr	Ser
126	260				265					2/0		
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120	75			280					200	,		
141 Phe Val <i>F</i>	sn Ile A	Arg Asp	295 Asp	GIU	Ala	GIU	птэ	300	пус	, 1111	1100	5
142 290 144 Ala Cys (	ln Thr I	Leu Gly	z Ser	Leu	Arg	Ser	Pro			: Ile	Leu	Asp
145 205		311	)				21-	,				
145 305 147 Asp Asp A	sp Thr (	Glu Glu	ı Glu	Ser	Gly	Cys	Va1	L Val	Pro	Glu	Glu	Ala
1.40		<b>२</b> २ २ ५				330					555	
148 150 His Cys (		Ile Va	l Asp	Cys	Leu	Lys	гга	s ser	. 116	350	261	
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Input Set : A:\ES.txt

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249	П	nho	N an	7 LO	Dhe	T.eu	Δla	Gln	His	Ile	Ala	Val	Phe	Tyr	Tyr	Phe	
050			105					200					203				
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2/3	305	Crra	λαn	Glu	Ser	Glu	Asp	Asp	Pro	Gly	Cys	Ser	Val	Pro	Gln	Ala	
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		Суз	Val	340	110	,			345		_			350	)		
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282		ı vaı	355		*** 9												
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VERIFICATION SUMMARY PATENT APPLICATION: US/09/807,867

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Input Set : A:\ES.txt

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